

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13 Groundwater-MN		Page 1 of 7
Title: Commodity Specific Requirements for Groundwater		
Revision: Original	Replaces: N/A	Effective: 01/01/07

1. Purpose:

To provide a listing of PDP identified required compounds for groundwater.

2. Scope:

This standard operating procedure (SOP) shall be followed by the Minnesota Department of Agriculture laboratory analyzing groundwater samples for PDP.

3. References:

- PDP Program Plan January through June 2007

4. Specific Procedures:

This SOP represents minimum PDP requirements and is presented as a general guideline. Each laboratory shall have written procedures that provide specific details concerning how the procedure has been implemented in that laboratory.

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Compounds Required for Minnesota Groundwater Multi Residue Screen

Water Compound	Reported As	Pest Code	Priority
2,4-D		026	1
2,4-DB		317	1
3-Hydroxycarbofuran		512	1
Acetochlor		807	2
Acetochlor ethanesulfonic acid (ESA)		ABN	2
Acetochlor oxanilic acid (OA)		ABO	2
Alachlor		227	2
Alachlor ethanesulfonic acid (ESA)			2
Alachlor oxanilic acid (OA)		ABP	
Aldicarb		ABQ	2
Aldicarb sulfone		167	1
Aldicarb sulfoxide		168	1
Atrazine		169	1
Bensulfuron methyl		305	1
Bentazon		ABR	3
Boscalid		758	1
Bromacil		AEO	2
Carbaryl		153	3
Carbendazim (MBC)		102	1
Carbofuran		333	1
Chlorimuron ethyl		180	1
Chlorothalonil		717	3
Chlorpyrifos		164	3
Clomazone		160	1
Clopyralid		719	3
Cyanazine		B46	2
DCPA (Dacthal)		228	2
Desethyl atrazine		134	2
		964	1

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Water Compound	Reported As	Pest Code	Priority
Desethyl-desisopropyl atrazine		784	1
Desisopropyl atrazine		785	1
Diazinon		024	1
Dichlobenil		324	1
Dimethenamid		ADD	2
Dimethenamid ethanesulfonic acid (ESA)		AFB	2
Dimethenamid oxanilic acid (OA)		AEY	2
Dimethoate		171	1
Disulfoton sulfone		216	1
Diuron		032	3
EPTC		200	2
Ethalfuralin		721	3
Fluometuron		701	1
Flufenacet oxanilic acid (OA)		AEZ	2
Fonofos		163	1
Halosulfuron methyl		AEH	3
Hydroxy atrazine		AED	2
Imazamethabenz acid		AGE	3
Imazamethabenz ester		753	3
Imazamox		ACA	3
Imazapic		ACZ	3
Imazapyr		ACB	3
Imazaquin		ACC	3
Imazethapyr		ACD	3
Linuron		129	3
Malathion		052	1
Malathion oxygen analog		208	1
MCPA		318	2
MCPB		620	2
Metalaxyl		607	3
Methidathion		197	1

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Water Compound	Reported As	Pest Code	Priority
Methidathion oxygen analog		ACE	1
Methomyl		159	1
Metolachlor		283	2
Metolachlor ethanesulfonic acid (ESA)			2
		ACG	
Metolachlor oxanilic acid (OA)		ACH	2
Metribuzin		181	2
Metsulfuron methyl		ACI	3
Myclobutanil		679	1
Neburon		061	3
Nicosulfuron		ACM	3
Omethoate		178	1
Oxamyl		537	1
Parathion methyl		057	1
Pendimethalin		230	3
	Permethrin cis and/or	222	1
	Permethrin trans or	223	
Permethrin	Permethrin (total)	539	
Phorate		148	1
Phorate oxygen analog		928	1
Phorate sulfone		189	1
Phorate suloxide		190	1
Picloram		329	2
Prometon		942	2
Prometryn		249	2
Propachlor		675	2
Propachlor oxanilic acid (OA)		AFA	2
Propanil		341	3
Propazine		333	2
Propiconazole		264	1
Siduron		ACT	3
Simazine		149	2
Sulfometuron methyl		ACP	3

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Water Compound	Reported As	Pest Code	Priority
Tebuconazole		A58	1
Tebupirimphos		A59	1
Tebuthiuron		780	3
Terbufos		205	1
Tetraconazole		ADO	1
Thifensulfuron		AEF	3
Thiobencarb		726	2
Triallate		621	2
Triasulfuron		ADP	3
Triclopyr		731	1
Trifluralin		151	3
Triticonazole		ADR	1

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12/12/06

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Original

October 2006

Monitoring Programs Office

- Established commodity specific testing profile for groundwater